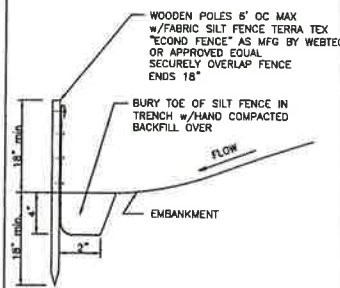


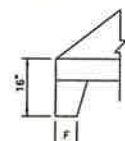
MANHOLE PIPE BOOT
NTS UTL-14



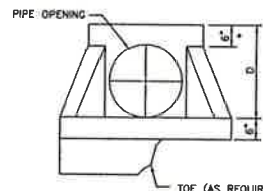
SILT FENCE
NTS EC-1

SIZE	AW	BW	CW
A	32"	48"	60"
B	48"	72"	102"
C	30"	44"	54"
D	26"	36"	60"
E	24"	36"	64"
F	6"	8"	8"
MAX. OPENING	22"	32"	55"
WT./#	1380	3100	8100

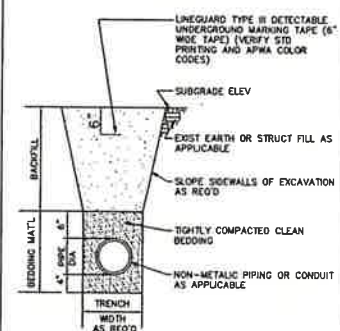
- NOTE:
1. MINIMUM REINFORCING WIRE REINFORCEMENT 4X4 W7XW7
2. $f_c = 4,000 \text{ psi}$
3. $f_y = 60 \text{ Ksi}$
4. 0' ON AW HEADWALL



TOE DETAIL



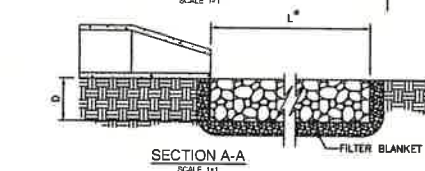
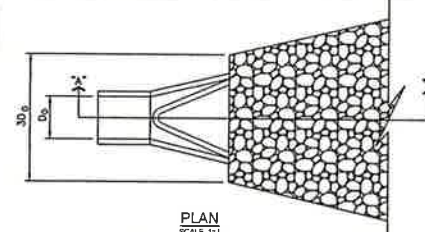
PRECAST HEADWALL
NTS CR-3



- NOTE:
REQUIRED AT ALL WATER, SEWER, GAS, AND OTHER SITE UTILITIES.

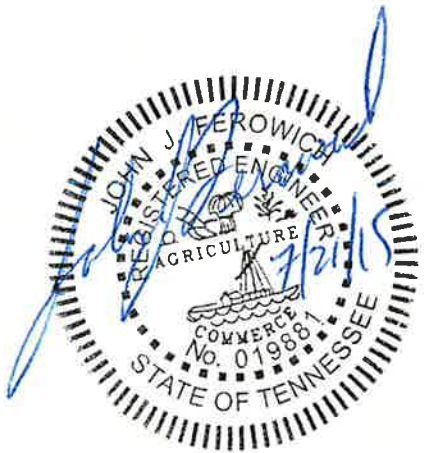
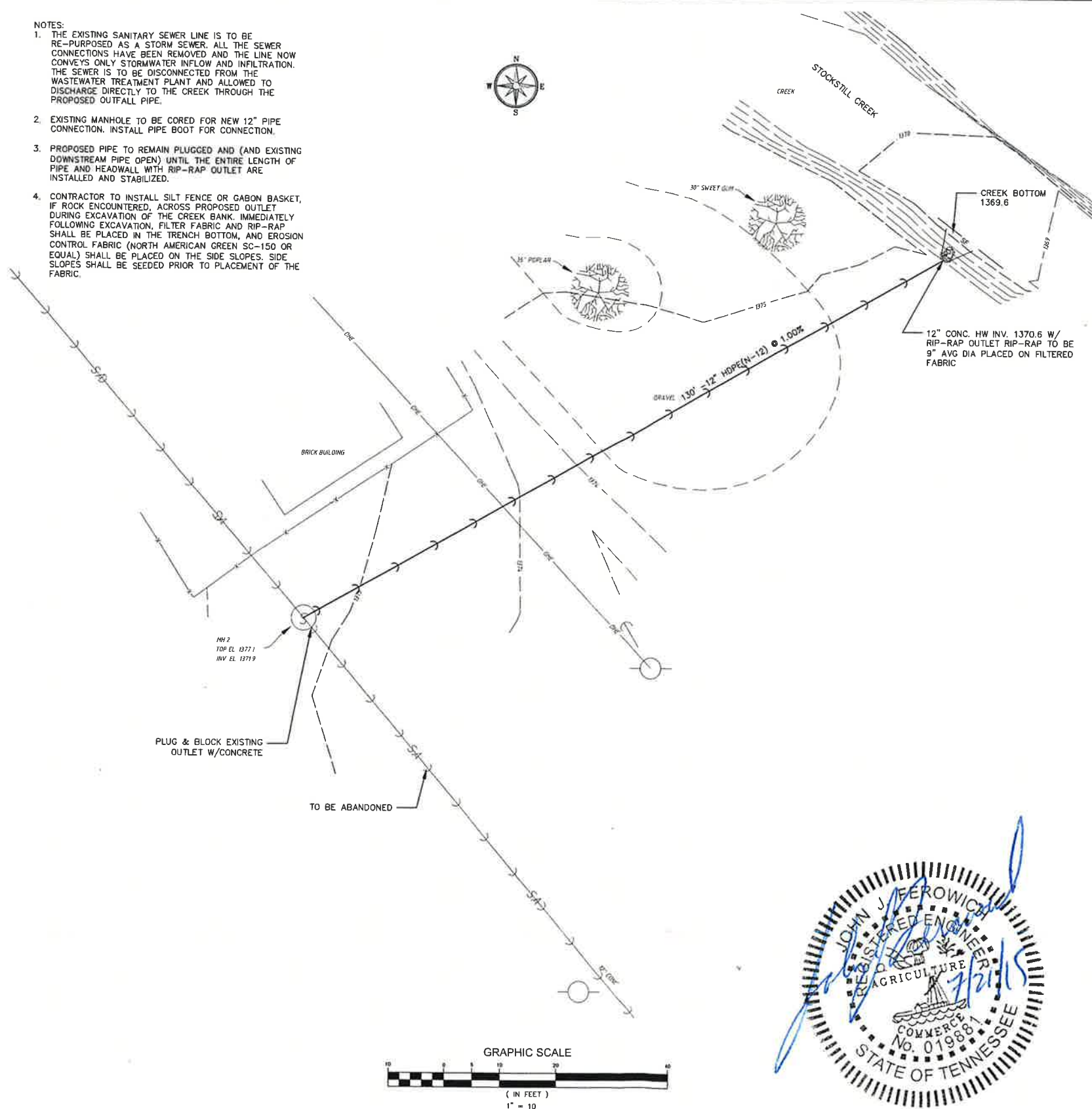
PIPE TRENCH
NTS UTL-4

- NOTE:
1. L_0 IS THE LENGTH OF THE RIPRAP APRON.
2. $D = 1.5$ TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.



RIP-RAP OUTLET PROTECTION
NTS EC-6

- NOTES:
1. THE EXISTING SANITARY SEWER LINE IS TO BE RE-PURPOSED AS A STORM SEWER. ALL THE SEWER CONNECTIONS HAVE BEEN REMOVED AND THE LINE NOW CONVEYS ONLY STORMWATER INFLOW AND INFILTRATION. THE SEWER IS TO BE DISCONNECTED FROM THE WASTEWATER TREATMENT PLANT AND ALLOWED TO DISCHARGE DIRECTLY TO THE CREEK THROUGH THE PROPOSED OUTFALL PIPE.
2. EXISTING MANHOLE TO BE CORED FOR NEW 12" PIPE CONNECTION. INSTALL PIPE BOOT FOR CONNECTION.
3. PROPOSED PIPE TO REMAIN PLUGGED AND (AND EXISTING DOWNSTREAM PIPE OPEN) UNTIL THE ENTIRE LENGTH OF PIPE AND HEADWALL WITH RIP-RAP OUTLET ARE INSTALLED AND STABILIZED.
4. CONTRACTOR TO INSTALL SILT FENCE OR GABON BASKET, IF ROCK ENCOUNTERED, ACROSS PROPOSED OUTLET DURING EXCAVATION OF THE CREEK BANK. IMMEDIATELY FOLLOWING EXCAVATION, FILTER FABRIC AND RIP-RAP SHALL BE PLACED IN THE TRENCH BOTTOM, AND EROSION CONTROL FABRIC (NORTH AMERICAN GREEN SC-150 OR EQUAL) SHALL BE PLACED ON THE SIDE SLOPES. SIDE SLOPES SHALL BE SEEDED PRIOR TO PLACEMENT OF THE FABRIC.



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PROJECT NO: 500925.001	DRAWN BY: SCH				
FILE: 500925-SEWER.DWG	DESIGNED BY: JUF				
DATE: 07-14-15	CHECKED BY: JUF				
SCALE: 1"=10'	CADQA: XXX				
REV. NO: 0	FIELD-INSP: XXX	0	MM-DD-YY	ORIGINAL DRAWING RELEASE	
		NO	DATE	DESCRIPTION OF REVISION	

STATE OF TENNESSEE
TENNESSEE DEPARTMENT OF CORRECTIONS

BRUSHY MOUNTAIN PRISON
PETROS, TENNESSEE

PROPOSED STORM SEWER OUTLET
(FORMER SANITARY SEWER)

P-1

SHEET 1 OF 1